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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 6

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Application Number	10/016,604
Filing Date	December 7, 2001
First Named Inventor	Pablo D. Garcia
Group Art Unit	1645
Examiner Name	TBA
Attorney Docket Number	002441.00008

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U.S. PATENT DOCUMENTS

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		Number	Kind Code ² (if known)			
		4,683,195		Mullis et al	07-28-1987	
		4,683,202		Mullis et al	07-28-1987	
		4,777,127		Suni et al	10-11-1988	
		4,816,567		Cabilly et al	03-28-1989	
		4,959,314		Mark et al	09-25-1990	
		5,010,175		Rutter et al	04-23-1991	
		5,124,246		Urdea et al	06-23-1992	
		5,149,655		McCabe et al	09-22-1992	
		5,206,152		Sukhatme	04-27-1993	
		5,219,740		Miller et al	06-15-1993	
		5,422,120		Kim	06-06-1995	

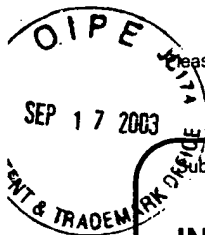
FOREIGN PATENT DOCUMENTS

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		Office ³	Number ⁴	Kind Code ⁵ (if known)				
			EP 0345242	/	Gheysen et al	12-06-1989		
			EP 0505012	/	Mullis	09-23-1992		
			EP 0509112		Mullis et al	10-21-1992		
			EP 0524968	/	Kim	02-03-1993		
			EP 0689454	/	Hauser et al	01-03-1996		
			EP 0721016	/	Lockhart et al	07-10-1996		
			EP 0735898	/	Momin et al	03-10-1999		
			EP 0761231	/	Prieels et al	01-12-2000		
			EP 0785280	/	Sapolsky et al	04-02-2003		
			EP 0799897	/	Morris et al	10-08-1997		
			EP 0835318	/	Cabezón Silva et al	01-16-1997		
			EP 1074617		Ota et al	02-07-2001		
			GB 2220221		Rogers et al	01-04-1990		
			GB 2200651		Al-Sumidaie	08-10-1988		
			WO 90/07936		Goldsmith et	07-26-1998		
			WO 90/11092		Felgner et al	10-04-1990		
			WO 90/14837		Van Nest et al	12-13-1990		
			WO 91/02805		Gruber et al	03-07-1991		
			WO 91/10741		Kucheralapati et al	07-25-1991		
			WO 91/14445		Kim	10-03-1991		
			WO 91/17823		Zuckerman et al	11-28-1991		
			WO 92/02526		Urdea et al	02-20-1992		
			WO 92/11033		Weichselbaum	07-09-1992		

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		Number	Kind Code ² (if known)			
		5,445,934		Fodor et al	08-29-1995	
		5,530,101		Queen et al	06-25-1996	
		5,556,752		Lockhart et al	09/17/1996	
		5,578,832		Trulson et al	11/26/1996	
		5,580,859		Felgner et al	12/03/1996	
		5,593,839		Hubbell et al	01/14/1997	
		5,599,695		Pease et al	02/04/1997	
		5,631,734		Stern et al	05/20/1997	
		5,707,829		Jacobs et al	01/13/1998	
		5,800,992		Fodor et al	09/01/1998	
		5,807,522		Brown et al	09/15/1998	
		5,814,482		Dubensky Jr. et al	09/29/1998	

FOREIGN PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ₀
		Office 3	Number ⁴	Kind Code ⁵ (if known)				
			WO 93/03769		Crystal	03-04-1993		
			WO 93/10218		Anderson et al	05-27-1993		
			WO 93/11230		Holmes et al	06-10-1993		
			WO 93/13202		Domenighini et al	07-08-1993		
			WO 93/14778		Rhodes et al	08-05-1993		
			WO 93/19191		Haddada et al	09-30-1993		
			WO 93/25234		Kan	12-23-1993		
			WO 93/25698		Anderson et al	02-23-1993		
			WO 94/02602		Kucherlapati	02-03-1994		
			WO 94/03622		McClure et al	02-17-1994		
			WO 94/12649		Gregory et al	06-09-1994		
			WO 94/23697		Kim et al	10-27-1994		
			WO 94/28938		Wilson	12-22-1994		
			WO 95/00655		Graham et al	01-05-1995		
			WO 95/07994		Dubensky et al	03-23-1995		
			WO 95/11984		Gregory et al	05-04-1995		
			WO 95/13796		Sankaram et al	05-26-1995		
			WO 95/22058		Stern et al	08-17-1995		
			WO 95/30763		Respass	11-16-1995		
			WO 95/35505		Shalon et al	12-28-1995		
			WO 96/17072		Dubensky et al	06-06-1996		
			WO 96/30498		Jakobovits et al	10-03-1996		
			WO 96/33735		Kucherlapati	10-31-1996		

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		5,858,723		Mueller-Lantzsch	01/12/1999	
		5,939,598		Kucherlapati et al	8/17/1999	

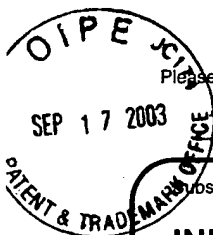
FOREIGN PATENT DOCUMENTS

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		Office 3	Number ⁴	Kind Code ⁵ (if known)				
			WO 97/02357		Anderson et al	01-23-1997		
			WO 97/27317		Lockhart et al	07-31-1997		
			WO 97/29212		Gingeras et al	08-14-1997		
			WO 97/42338		Respass et al	11-13-1997		
			WO 98/24893		Jakobovits et al	06-11-1998		
			WO 98/57659		Boon et al	12-23-1998		
			WO 99/11241		Garcon et al	03-11-1999		
			WO 99/52549		Friede et al	10-21-1999		
			WO 00/23105		Garcon	04-27-2000		
			WO 00/62800		Friede et al	10-26-2000		
			WO 00/07621		Friede et al	02-17-2000		
			WO 00/73801		Obata	12-07-2000		
			WO 01/21152		Friede	03-29-2001		
			WO 01/21207		Friede	03-29-2001		
			WO 01/42467		Schlegel	06-14-2001		
			WO 01/51623		Lanes et al	07-19-2001		
			WO 01/57270		Penn et al	08-09-2001		
			WO 01/57272		Penn et al	08-09-2001		
			WO 01/57274		Penn et al	08-09-2001		
			WO 01/57275		Penn et al	08-09-2001		
			WO 01/57276		Penn et al	08-09-2001		
			WO 01/57277		Penn et al	08-09-2001		
			WO 01/57278		Penn et al	08-09-2001		
			WO 01/57182		Rosen et al	08-09-2001		
			WO 01/60860		Schlegel et al	08-23-2001		
			WO 01/73032		Yu et al	10-04-2001		
			WO 01/75067		Drmanac et al	10-11-2001		

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Sheet 4 of 6

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		Magin-Lachmann (2001) J. Virol. 75(21):10359-71	
		McSharry (1999) Antiviral Res 43(1):1-21	
		Schommer et al (1996) J Gen Virol 77:375-379	
		Boese et al (2001) FEBS Lett 493(2-3):117-21	
		Larsson (1989) Current Topics in Microbiology and Immunology 148:115 (1989)	
		Tönjes et al (1996) J. Aids Hum. Retrovir. 13 (Suppl 1): S261-S267	
		Kuhelj et al (2001) J Biol Chem 276(20):16674-82	
		Johnston et al (2001) Ann Neurol 50(4):434:42	
		Hanahan et al (2000) Cell 100:57-70	
		Genbank accession number AB047240 (2003)	
		Sugimoto et al, Genomics (March 2001) 72(2):137-44	
		Andersson et al (1999) J. Gen. Virol. 80:255-260	
		Tönjes et al, XP002238923, (1999) J. Virol. 73(11):9187:9195	
		Barbulescu et al, XP000953273, (1999) Current Biology, Current Science 9:861-68	
		Mayer et al, XP009009741, (1997) Cytogenetics and Cell Genetics 79(1-2):157-61	

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**INFORMATION DISCLOSURE
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Sheet 5 of 6

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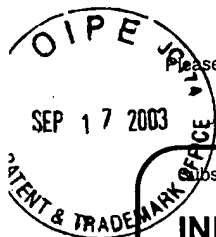
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		Mayer et al, XP002239083, (1999) Nature Genetics 21(3):257-258	
		Huang et al, XP009009633, (1998) Oncogene 16(18):2311-19	
		Löwer et al, XP002233322, (1996) Proc. Natl. Sci. USA 93(11):5177-84	
		Magin et al, XP002239089, (2000) Virology 274(1):11-16	
		Smith et al, XP009009588, (2001) American Journal of Human Genetics 69(4) Supplement:275	
		Smith et al, XP009009589, (2001) Journal Of Urology 165(5) Supplement:136-7	
		Wang-Johanning et al (2001) Clinical Cancer Research 7:1553-60	
		Mariani-Costantini et al (1989) Journal of Virology 63(11) 4982-85	
		Löwer et al (1996) Proc. Natl. Acad. Sci USA 93:5177-84	
		Ono et al (1986) Journal of Virology 60(2):589-98	
		Ono et al (1986) Journal of Virology 58(3):937-44	
		Ono et al (1987) Journal of Virology 61(6):2059-62	
		Shih et al (1991) Virology 182:495-502	
		Löwer et al (1993) Proc. Natl. Acad. Sci USA 90:4480-84	
		Boller et al (1993) Virology, 196:349-353	
		Barbulescu et al (1999) Current Biology 9:861-868	
		Mueller-Lantzsch et al (1993) Aids Research and Human Retroviruses 9(4):343-50	

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		Löwer et al (1993) Virology 192:501-11	
		Wang-Johanning et al, Proceedings of the American Association for Cancer Research 40:424 (1999)	
		Herbst et al (1996) American Journal of Pathology 149(5):1727-35	
		Löwer et al (1995) Journal of Virology 69(1):141-9	
		Mayer et al (1999) Nature Genetics 21:257-258	
		Magin et al (1999) Journal of Virology 73(11):9496-9507	
		Boese et al (2000) Oncogene 19:4328-36	
		Berkhout et al (1999) Journal of Virology 73(3):2365-75	
		Sverdlo (2000) BioEssays 22:161-71	
		Seifarth et al (1998) Journal of Virology 72(10):8384-91	
		Zsiros et al, (1998) Journal of General Virology 79:61-70	
		Medstrand et al (1993) Journal of Virology 67(11):6778-87	
		Medstrand et al, (1998) 72(12):9782-87	
		Tönjes et al (1999) Journal of Virology 73(11):9187-195	
		Urnovitz et al (1996) Clinical Microbiology Reviews 9(1):72-99	
		Yang et al (1999) Proc. Natl. Acad. Sci. USA 96(23):13404-08	

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